



# CONSTRUCTION EQUIPMENT

SW1021030 RANGO VOLVO EC950F 410018 - POWER TAKE OFF



**Sample No:** VCP406326  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SW1021030 RANGO



## SAMPLE INFORMATION

Sample Number	VCP406326	---	---	---
Sample Date	08 Jul 2023	---	---	---
Machine Hours	6412	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**ARNOLD MACHINERY COMPANY**  
 4323 EAST WINSLOW AVENUE  
 PHOENIX, AZ  
 US 85040  
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 T:  
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## OIL CONDITION

Visc @ 40°C	cSt	█ 145	---	---	---
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## CONTAMINATION

Silicon	ppm	█ 42	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 1	---	---	---



## WEAR METALS

Iron	ppm	▲ 446	---	---	---
Copper	ppm	█ 6	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 14	---	---	---
Chromium	ppm	█ 4	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 4	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 20	---	---	---
Magnesium	ppm	█ 51	---	---	---
Zinc	ppm	█ 92	---	---	---
Phosphorus	ppm	█ 1020	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 29	---	---	---

## Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. We recommend an early resample to monitor this condition. Gear wear is indicated. All other component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO6174  
**Unique No:** 10562994  
**Signed:** Don Baldrige  
**Report Date:** 20 Jul 2023



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## GRAPHS

